



January 23, 2012

Duke Energy
Miami Fort Generating Station
11021 Brower Road
North Bend, OH 45052

Attention: Ms. Tara Thomas
Environmental Coordinator

Re: Results – **January 2012**
Low-Level Mercury Sampling
Miami Fort Generating Station
North Bend, Ohio

In accordance with your request, URS prepared the following letter report transmitting low-level mercury test results for samples collected at the Miami Fort Generating Station located in North Bend, Ohio.

The scope of work involved the sampling of intake and discharge waters from the following sources and analysis of those samples for low-level mercury.

1. River Intake
2. Station 601 (WWT Influent)
[Samples were collected at this station one detention time (approximately 14 hours as specified by Duke Energy) before samples collected at Outfall 608]
3. Outfall 608 (WWT Effluent)
[Samples were collected at this outfall one detention time (approximately 14 hours as specified by Duke Energy) after samples collected at station 601]
4. Outfall 002 (Pond B Discharge)

Each sample was collected following the required Method 1669: *Sampling Ambient Water for Determination of Trace Metals at EPA Water Quality Criteria Levels* (Sampling Method) and analyzed by Method 1631. At the request of Duke Energy, a dissolved low-level mercury sample was collected by Method 1669 from Outfall 608 and analyzed by Method 1631. The collected dissolved sample was filtered at the laboratory utilizing 0.45 micron filtration. Also at the request of Duke Energy, total metal mercury sample aliquots (preserved) from Station 601 (Units 7 and 8) were used to have the laboratory pipet off and prepare the supernatant layer of the samples (leaving behind as much of the settled solids as possible) for analysis by Method 7470A.

Field staff from URS' Cincinnati office conducted the sampling and TestAmerica Laboratories Inc. located in North Canton, Ohio performed the analytical procedures. The analytical procedures included the analyses of a collected sample and duplicate sample (duplicates

Duke Energy
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(duplicates collected at Outfall 608 and Outfall 002), field blank (field blanks collected at the River Intake, Outfall 608, and Outfall 002), and trip blank.

The results from the **January 3 and 4, 2012** sampling event are presented in the attached Table 1. A copy of the laboratory report is enclosed with this letter.

--ooOoo--

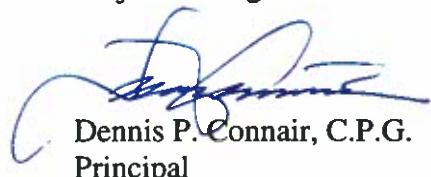
URS is pleased to provide continued assistance to Duke Energy in the execution of their environmental monitoring requirements. If there are any questions regarding the content of this report, please do not hesitate to contact the undersigned.

Sincerely,

URS Corporation



Michael A. Wagner
Project Manager



Dennis P. Connair, C.P.G.
Principal

MAW/DPC/Duke Energy-MFS LL Hg 2012
Job No. 14950516

TABLE 1
ANALYTICAL RESULTS
LOW-LEVEL MERCURY
RIVER INTAKE, STATION 601, OUTFALL 608, AND OUTFALL 002 (POND B)
DUKE ENERGY - MIAMI FORT STATION
NORTH BEND, OHIO

Sample ID	Date Sampled / Results (ng/L, parts per trillion)					
	1/3-4/2012	2/x/2012	3/x/2012	4/x/2012	5/x/2012	6/x/2012
River Intake	7.9					
Station 601 (7)	360,000					
Station 601 (7)*	570					
Station 601 (7)* [duplicate]	200					
Station 601 (8)	210,000					
Station 601 (8)*	420					
Station 601 (8)*[duplicate]	Not Collected					
Outfall 608	60					
Outfall 608 [duplicate]	65					
Outfall 608 [dissolved, 0.45 micron]	2.9					
APB-002	3.2					
APB-002 [duplicate]	3.3					
Field Blank (RI-FB)	<0.50					
Field Blank (WWT-FB)	<0.50					
Field Blank (AP-FB)	<0.50					
Trip Blank	<0.50					

Samples collected by URS

Sampling times are noted within the associated laboratory report for each collected sample

Samples analyzed by TestAmerica of North Canton, Ohio

* = Total mercury analysis utilizing Method 7470A [results converted from ug/L (parts per billion) to ng/L]. The aqueous layer of the sample was pipetted off and prepared, with care to leave behind as much of the settled solids as possible.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica North Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-7416-1

Client Project/Site: Miami Fort LLHg 2012 - J12010105

For:

Duke Energy Corporation
139 East Fourth Street
ex 510
Cincinnati, Ohio 45202

Attn: Ms. Sue Wallace

Denise Pohl

Authorized for release by:
1/16/2012 1:32:11 PM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Duke Energy Corporation
Project/Site: Miami Fort LLHg 2012 - J12010105

TestAmerica Job ID: 240-7416-1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
F	MS or MSD exceeds the control limits

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

✉	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Duke Energy Corporation
Project/Site: Miami Fort LLHg 2012 - J12010105

TestAmerica Job ID: 240-7416-1

Job ID: 240-7416-1

Laboratory: TestAmerica North Canton

Narrative

CASE NARRATIVE

Client: Duke Energy Corporation

Project: Miami Fort LLHg 2012 - J12010105

Report Number: 240-7416-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 01/05/2012; the samples arrived in good condition. The temperature of the cooler at receipt was 11.0 C.

DISSOLVED LOW LEVEL MERCURY

Sample 608 WWT DISS (240-7416-11) was analyzed for dissolved low level mercury in accordance with EPA Method 1631E. The samples were prepared on 01/05/2012 and analyzed on 01/06/2012.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples 601(7)WWT TOT (240-7416-2), 601(7)WWT TOT DUP (240-7416-3) and 601 (8) WWT TOT (240-7416-7) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared on 01/10/2012 and analyzed on 01/11/2012.

Method(s) 7470A: Per client instructions in the past, the aqueous layer of the sample was pipetted off and prepared for samples 601 (8) WWT TOT, 601(7)WWT TOT, 601(7)WWT TOT DUP, with care to leave behind as much of the settled solids as possible.

No other difficulties were encountered during the mercury analyses.

Case Narrative

Client: Duke Energy Corporation
Project/Site: Miami Fort LLHg 2012 - J12010105

TestAmerica Job ID: 240-7416-1

Job ID: 240-7416-1 (Continued)

Laboratory: TestAmerica North Canton (Continued)

All quality control parameters were within the acceptance limits.

LOW LEVEL MERCURY

Samples 601(7)WWT (240-7416-1), RI FB (240-7416-4), RI (240-7416-5), 601 (8) WWT (240-7416-6), 608 WWT FB (240-7416-8), 608 WWT (240-7416-9), 608 WWT DUP (240-7416-10), OUTFALL 002 FB (240-7416-12), OUTFALL 002 (240-7416-13), OUTFALL 002 DUP (240-7416-14) and TRIP BLANK (240-7416-15) were analyzed for Low Level Mercury in accordance with EPA Method 1631E. The samples were prepared on 01/05/2012 and analyzed on 01/06/2012.

Mercury failed the recovery criteria high for the MS of sample OUTFALL 002 DUPMS (240-7416-14) in batch 240-29359.

Mercury failed the recovery criteria low for the MS/MSD of sample RIMS/MSD (240-7416-5) in batch 240-29359.

Refer to the QC report for details.

Samples 601(7)WWT (240-7416-1)[200000X], 601 (8) WWT (240-7416-6)[200000X], 608 WWT (240-7416-9)[20X] and 608 WWT DUP (240-7416-10)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 1631E: The matrix spike (MS) recovery was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 1631E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

Method Summary

Client: Duke Energy Corporation

Project/Site: Miami Fort LLHg 2012 - J12010105

TestAmerica Job ID: 240-7416-1

Method	Method Description	Protocol	Laboratory
1631E	Mercury, Low Level (CVAFS)	EPA	TAL NC
7470A	Mercury (CVAA)	SW846	TAL NC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NC = TestAmerica North Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: Duke Energy Corporation

Project/Site: Miami Fort LLHg 2012 - J12010105

TestAmerica Job ID: 240-7416-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-7416-1	601(7)WWT	Water	01/03/12 16:50	01/05/12 09:00
240-7416-2	601(7)WWT TOT	Water	01/03/12 16:55	01/05/12 09:00
240-7416-3	601(7)WWT TOT DUP	Water	01/03/12 17:00	01/05/12 09:00
240-7416-4	RI FB	Water	01/03/12 17:15	01/05/12 09:00
240-7416-5	RI	Water	01/03/12 17:20	01/05/12 09:00
240-7416-6	601 (8) WWT	Water	01/03/12 17:05	01/05/12 09:00
240-7416-7	601 (8) WWT TOT	Water	01/03/12 17:10	01/05/12 09:00
240-7416-8	608 WWT FB	Water	01/04/12 08:30	01/05/12 09:00
240-7416-9	608 WWT	Water	01/04/12 08:35	01/05/12 09:00
240-7416-10	608 WWT DUP	Water	01/04/12 08:40	01/05/12 09:00
240-7416-11	608 WWT DISS	Water	01/04/12 08:45	01/05/12 09:00
240-7416-12	OUTFALL 002 FB	Water	01/04/12 09:05	01/05/12 09:00
240-7416-13	OUTFALL 002	Water	01/04/12 09:10	01/05/12 09:00
240-7416-14	OUTFALL 002 DUP	Water	01/04/12 09:15	01/05/12 09:00
240-7416-15	TRIP BLANK	Water	01/04/12 00:00	01/05/12 09:00

Detection Summary

Client: Duke Energy Corporation
 Project/Site: Miami Fort LLHg 2012 - J12010105

TestAmerica Job ID: 240-7416-1

Client Sample ID: 601(7)WWT

Lab Sample ID: 240-7416-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Mercury	360000		100000	ng/L	200000		1631E	Total/NA

Client Sample ID: 601(7)WWT TOT

Lab Sample ID: 240-7416-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.57		0.20	ug/L	1		7470A	Total/NA

Client Sample ID: 601(7)WWT TOT DUP

Lab Sample ID: 240-7416-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.20		0.20	ug/L	1		7470A	Total/NA

Client Sample ID: RI FB

Lab Sample ID: 240-7416-4

No Detections

Client Sample ID: RI

Lab Sample ID: 240-7416-5

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Mercury	7.9		0.50	ng/L	1		1631E	Total/NA

Client Sample ID: 601 (8) WWT

Lab Sample ID: 240-7416-6

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Mercury	210000		100000	ng/L	200000		1631E	Total/NA

Client Sample ID: 601 (8) WWT TOT

Lab Sample ID: 240-7416-7

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.42		0.20	ug/L	1		7470A	Total/NA

Client Sample ID: 608 WWT FB

Lab Sample ID: 240-7416-8

No Detections

Client Sample ID: 608 WWT

Lab Sample ID: 240-7416-9

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Mercury	60		10	ng/L	20		1631E	Total/NA

Client Sample ID: 608 WWT DUP

Lab Sample ID: 240-7416-10

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Mercury	65		10	ng/L	20		1631E	Total/NA

Client Sample ID: 608 WWT DISS

Lab Sample ID: 240-7416-11

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Mercury	2.9		0.50	ng/L	1		1631E	Dissolved

Client Sample ID: OUTFALL 002 FB

Lab Sample ID: 240-7416-12

No Detections

Detection Summary

Client: Duke Energy Corporation
Project/Site: Miami Fort LLHg 2012 - J12010105

TestAmerica Job ID: 240-7416-1

Client Sample ID: OUTFALL 002

Lab Sample ID: 240-7416-13

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Mercury	3.2		0.50	ng/L	1		1631E	Total/NA

Client Sample ID: OUTFALL 002 DUP

Lab Sample ID: 240-7416-14

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Mercury	3.3		0.50	ng/L	1		1631E	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-7416-15

No Detections

Client Sample Results

Client: Duke Energy Corporation

TestAmerica Job ID: 240-7416-1

Project/Site: Miami Fort LLHg 2012 - J12010105

Client Sample ID: 601(7)WWT

Lab Sample ID: 240-7416-1

Date Collected: 01/03/12 16:50

Matrix: Water

Date Received: 01/05/12 09:00

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	360000		100000	ng/L		01/05/12 15:00	01/06/12 10:15	200000

Client Sample Results

Client: Duke Energy Corporation

TestAmerica Job ID: 240-7416-1

Project/Site: Miami Fort LLHg 2012 - J12010105

Client Sample ID: 601(7)WWT TOT

Lab Sample ID: 240-7416-2

Date Collected: 01/03/12 16:55

Matrix: Water

Date Received: 01/05/12 09:00

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.57		0.20	ug/L		01/10/12 15:20	01/11/12 14:46	1

Client Sample Results

Client: Duke Energy Corporation

TestAmerica Job ID: 240-7416-1

Project/Site: Miami Fort LLHg 2012 - J12010105

Client Sample ID: 601(7)WWT TOT DUP

Lab Sample ID: 240-7416-3

Date Collected: 01/03/12 17:00

Matrix: Water

Date Received: 01/05/12 09:00

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.20	ug/L		01/10/12 15:20	01/11/12 14:47	1

Client Sample Results

Client: Duke Energy Corporation

TestAmerica Job ID: 240-7416-1

Project/Site: Miami Fort LLHg 2012 - J12010105

Client Sample ID: RI FB

Lab Sample ID: 240-7416-4

Date Collected: 01/03/12 17:15

Matrix: Water

Date Received: 01/05/12 09:00

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.50	U	0.50	ng/L		01/05/12 15:00	01/06/12 13:25	1

Client Sample Results

Client: Duke Energy Corporation

TestAmerica Job ID: 240-7416-1

Project/Site: Miami Fort LLHg 2012 - J12010105

Client Sample ID: RI

Lab Sample ID: 240-7416-5

Date Collected: 01/03/12 17:20

Matrix: Water

Date Received: 01/05/12 09:00

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	7.9		0.50	ng/L		01/05/12 15:00	01/06/12 10:49	1

Client Sample Results

Client: Duke Energy Corporation

TestAmerica Job ID: 240-7416-1

Project/Site: Miami Fort LLHg 2012 - J12010105

Client Sample ID: 601 (8) WWT

Lab Sample ID: 240-7416-6

Date Collected: 01/03/12 17:05

Matrix: Water

Date Received: 01/05/12 09:00

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	210000		100000	ng/L		01/05/12 15:00	01/06/12 10:24	200000

Client Sample Results

Client: Duke Energy Corporation

TestAmerica Job ID: 240-7416-1

Project/Site: Miami Fort LLHg 2012 - J12010105

Client Sample ID: 601 (8) WWT TOT

Lab Sample ID: 240-7416-7

Date Collected: 01/03/12 17:10

Matrix: Water

Date Received: 01/05/12 09:00

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.42		0.20	ug/L		01/10/12 15:20	01/11/12 14:48	1

Client Sample Results

Client: Duke Energy Corporation

TestAmerica Job ID: 240-7416-1

Project/Site: Miami Fort LLHg 2012 - J12010105

Client Sample ID: 608 WWT FB

Lab Sample ID: 240-7416-8

Date Collected: 01/04/12 08:30

Matrix: Water

Date Received: 01/05/12 09:00

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.50	U	0.50	ng/L		01/05/12 15:00	01/06/12 13:33	1

Client Sample Results

Client: Duke Energy Corporation

Project/Site: Miami Fort LLHg 2012 - J12010105

TestAmerica Job ID: 240-7416-1

Client Sample ID: 608 WWT

Date Collected: 01/04/12 08:35

Date Received: 01/05/12 09:00

Lab Sample ID: 240-7416-9

Matrix: Water

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	60		10	ng/L		01/05/12 15:00	01/06/12 10:32	20

Client Sample Results

Client: Duke Energy Corporation

TestAmerica Job ID: 240-7416-1

Project/Site: Miami Fort LLHg 2012 - J12010105

Client Sample ID: 608 WWT DUP

Lab Sample ID: 240-7416-10

Matrix: Water

Date Collected: 01/04/12 08:40

Date Received: 01/05/12 09:00

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	65		10	ng/L		01/05/12 15:00	01/06/12 10:41	20

Client Sample Results

Client: Duke Energy Corporation

TestAmerica Job ID: 240-7416-1

Project/Site: Miami Fort LLHg 2012 - J12010105

Client Sample ID: 608 WWT DISS

Lab Sample ID: 240-7416-11

Date Collected: 01/04/12 08:45

Matrix: Water

Date Received: 01/05/12 09:00

Method: 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.9		0.50	ng/L		01/05/12 15:00	01/06/12 11:15	1

Client Sample Results

Client: Duke Energy Corporation

TestAmerica Job ID: 240-7416-1

Project/Site: Miami Fort LLHg 2012 - J12010105

Client Sample ID: OUTFALL 002 FB

Lab Sample ID: 240-7416-12

Matrix: Water

Date Collected: 01/04/12 09:05

Date Received: 01/05/12 09:00

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.50	U	0.50	ng/L		01/05/12 15:00	01/06/12 11:24	1

Client Sample Results

Client: Duke Energy Corporation

TestAmerica Job ID: 240-7416-1

Project/Site: Miami Fort LLHg 2012 - J12010105

Client Sample ID: OUTFALL 002

Lab Sample ID: 240-7416-13

Date Collected: 01/04/12 09:10

Matrix: Water

Date Received: 01/05/12 09:00

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	3.2		0.50	ng/L		01/05/12 15:00	01/06/12 12:07	1

Client Sample Results

Client: Duke Energy Corporation

TestAmerica Job ID: 240-7416-1

Project/Site: Miami Fort LLHg 2012 - J12010105

Client Sample ID: OUTFALL 002 DUP

Lab Sample ID: 240-7416-14

Matrix: Water

Date Collected: 01/04/12 09:15

Date Received: 01/05/12 09:00

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	3.3		0.50	ng/L		01/05/12 15:00	01/06/12 11:41	1

Client Sample Results

Client: Duke Energy Corporation

TestAmerica Job ID: 240-7416-1

Project/Site: Miami Fort LLHg 2012 - J12010105

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-7416-15

Date Collected: 01/04/12 00:00

Matrix: Water

Date Received: 01/05/12 09:00

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.50	U	0.50	ng/L		01/05/12 15:00	01/06/12 13:42	1

QC Sample Results

Client: Duke Energy Corporation
Project/Site: Miami Fort LLHg 2012 - J12010105

TestAmerica Job ID: 240-7416-1

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 240-29291/1-A

Matrix: Water

Analysis Batch: 29359

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29291

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.50	U	0.50	ng/L		01/05/12 15:00	01/06/12 14:25	1

Lab Sample ID: LCS 240-29291/2-A

Matrix: Water

Analysis Batch: 29359

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29291

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
Mercury	5.00	4.70		ng/L		94	77 - 123

Lab Sample ID: 240-7416-5 MS

Matrix: Water

Analysis Batch: 29359

Client Sample ID: RI

Prep Type: Total/NA

Prep Batch: 29291

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	Limits
Mercury	7.9		5.00	9.89	F	ng/L		40	71 - 125

Lab Sample ID: 240-7416-5 MSD

Matrix: Water

Analysis Batch: 29359

Client Sample ID: RI

Prep Type: Total/NA

Prep Batch: 29291

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	RPD	Limit
Mercury	7.9		5.00	10.4	F	ng/L		49	71 - 125	5

Lab Sample ID: 240-7416-14 MS

Matrix: Water

Analysis Batch: 29359

Client Sample ID: OUTFALL 002 DUP

Prep Type: Total/NA

Prep Batch: 29291

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	Limits
Mercury	3.3		5.00	9.71	F	ng/L		128	71 - 125

Lab Sample ID: 240-7416-14 MSD

Matrix: Water

Analysis Batch: 29359

Client Sample ID: OUTFALL 002 DUP

Prep Type: Total/NA

Prep Batch: 29291

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	RPD	Limit
Mercury	3.3		5.00	8.38		ng/L		102	71 - 125	15

Lab Sample ID: PB 240-29290/1-B PB

Matrix: Water

Analysis Batch: 29359

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 29291

Analyte	PB Result	PB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.50	U	0.50	ng/L		01/05/12 15:00	01/06/12 13:50	1

QC Sample Results

Client: Duke Energy Corporation

TestAmerica Job ID: 240-7416-1

Project/Site: Miami Fort LLHg 2012 - J12010105

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-29635/1-A

Matrix: Water

Analysis Batch: 29899

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29635

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	ug/L		01/10/12 15:20	01/11/12 14:39	1

Lab Sample ID: LCS 240-29635/2-A

Matrix: Water

Analysis Batch: 29899

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29635

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
Mercury	5.00	4.60		ug/L		92	81 - 123

QC Association Summary

Client: Duke Energy Corporation

Project/Site: Miami Fort LLHg 2012 - J12010105

TestAmerica Job ID: 240-7416-1

Metals

Prep Batch: 29291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7416-1	601(7)WWT	Total/NA	Water	1631E	5
240-7416-4	RI FB	Total/NA	Water	1631E	5
240-7416-5	RI	Total/NA	Water	1631E	5
240-7416-5 MS	RI	Total/NA	Water	1631E	6
240-7416-5 MSD	RI	Total/NA	Water	1631E	6
240-7416-6	601 (8) WWT	Total/NA	Water	1631E	7
240-7416-8	608 WWT FB	Total/NA	Water	1631E	8
240-7416-9	608 WWT	Total/NA	Water	1631E	8
240-7416-10	608 WWT DUP	Total/NA	Water	1631E	8
240-7416-11	608 WWT DISS	Dissolved	Water	1631E	9
240-7416-12	OUTFALL 002 FB	Total/NA	Water	1631E	10
240-7416-13	OUTFALL 002	Total/NA	Water	1631E	10
240-7416-14	OUTFALL 002 DUP	Total/NA	Water	1631E	11
240-7416-14 MS	OUTFALL 002 DUP	Total/NA	Water	1631E	11
240-7416-14 MSD	OUTFALL 002 DUP	Total/NA	Water	1631E	11
240-7416-15	TRIP BLANK	Total/NA	Water	1631E	12
LCS 240-29291/2-A	Lab Control Sample	Total/NA	Water	1631E	13
MB 240-29291/1-A	Method Blank	Total/NA	Water	1631E	13
PB 240-29290/1-B PB	Method Blank	Dissolved	Water	1631E	14

Analysis Batch: 29359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7416-1	601(7)WWT	Total/NA	Water	1631E	29291
240-7416-4	RI FB	Total/NA	Water	1631E	29291
240-7416-5	RI	Total/NA	Water	1631E	29291
240-7416-5 MS	RI	Total/NA	Water	1631E	29291
240-7416-6	601 (8) WWT	Total/NA	Water	1631E	29291
240-7416-8	608 WWT FB	Total/NA	Water	1631E	29291
240-7416-9	608 WWT	Total/NA	Water	1631E	29291
240-7416-10	608 WWT DUP	Total/NA	Water	1631E	29291
240-7416-11	608 WWT DISS	Dissolved	Water	1631E	29291
240-7416-12	OUTFALL 002 FB	Total/NA	Water	1631E	29291
240-7416-13	OUTFALL 002	Total/NA	Water	1631E	29291
240-7416-14	OUTFALL 002 DUP	Total/NA	Water	1631E	29291
240-7416-14 MS	OUTFALL 002 DUP	Total/NA	Water	1631E	29291
240-7416-14 MSD	OUTFALL 002 DUP	Total/NA	Water	1631E	29291
240-7416-15	TRIP BLANK	Total/NA	Water	1631E	29291
LCS 240-29291/2-A	Lab Control Sample	Total/NA	Water	1631E	29291
MB 240-29291/1-A	Method Blank	Total/NA	Water	1631E	29291
PB 240-29290/1-B PB	Method Blank	Dissolved	Water	1631E	29291

Prep Batch: 29635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7416-2	601(7)WWT TOT	Total/NA	Water	7470A	
240-7416-3	601(7)WWT TOT DUP	Total/NA	Water	7470A	
240-7416-7	601 (8) WWT TOT	Total/NA	Water	7470A	
LCS 240-29635/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-29635/1-A	Method Blank	Total/NA	Water	7470A	

QC Association Summary

Client: Duke Energy Corporation

Project/Site: Miami Fort LLHg 2012 - J12010105

TestAmerica Job ID: 240-7416-1

Metals (Continued)

Analysis Batch: 29899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-7416-2	601(7)WWT TOT	Total/NA	Water	7470A	29635
240-7416-3	601(7)WWT TOT DUP	Total/NA	Water	7470A	29635
240-7416-7	601 (8) WWT TOT	Total/NA	Water	7470A	29635
LCS 240-29635/2-A	Lab Control Sample	Total/NA	Water	7470A	29635
MB 240-29635/1-A	Method Blank	Total/NA	Water	7470A	29635

Lab Chronicle

Client: Duke Energy Corporation
 Project/Site: Miami Fort LLHg 2012 - J12010105

TestAmerica Job ID: 240-7416-1

Client Sample ID: 601(7)WWT

Lab Sample ID: 240-7416-1

Date Collected: 01/03/12 16:50

Matrix: Water

Date Received: 01/05/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			29291	01/05/12 15:00	CJ	TAL NC
Total/NA	Analysis	1631E		200000	29359	01/06/12 10:15	CJ	TAL NC

Client Sample ID: 601(7)WWT TOT

Lab Sample ID: 240-7416-2

Date Collected: 01/03/12 16:55

Matrix: Water

Date Received: 01/05/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			29635	01/10/12 15:20	LM	TAL NC
Total/NA	Analysis	7470A		1	29899	01/11/12 14:46	NJM	TAL NC

Client Sample ID: 601(7)WWT TOT DUP

Lab Sample ID: 240-7416-3

Date Collected: 01/03/12 17:00

Matrix: Water

Date Received: 01/05/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			29635	01/10/12 15:20	LM	TAL NC
Total/NA	Analysis	7470A		1	29899	01/11/12 14:47	NJM	TAL NC

Client Sample ID: RI FB

Lab Sample ID: 240-7416-4

Date Collected: 01/03/12 17:15

Matrix: Water

Date Received: 01/05/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			29291	01/05/12 15:00	CJ	TAL NC
Total/NA	Analysis	1631E		1	29359	01/06/12 13:25	CJ	TAL NC

Client Sample ID: RI

Lab Sample ID: 240-7416-5

Date Collected: 01/03/12 17:20

Matrix: Water

Date Received: 01/05/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			29291	01/05/12 15:00	CJ	TAL NC
Total/NA	Analysis	1631E		1	29359	01/06/12 10:49	CJ	TAL NC

Client Sample ID: 601 (8) WWT

Lab Sample ID: 240-7416-6

Date Collected: 01/03/12 17:05

Matrix: Water

Date Received: 01/05/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			29291	01/05/12 15:00	CJ	TAL NC
Total/NA	Analysis	1631E		200000	29359	01/06/12 10:24	CJ	TAL NC

Lab Chronicle

Client: Duke Energy Corporation
 Project/Site: Miami Fort LLHg 2012 - J12010105

TestAmerica Job ID: 240-7416-1

Client Sample ID: 601 (8) WWT TOT

Date Collected: 01/03/12 17:10
 Date Received: 01/05/12 09:00

Lab Sample ID: 240-7416-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			29635	01/10/12 15:20	LM	TAL NC
Total/NA	Analysis	7470A		1	29899	01/11/12 14:48	NJM	TAL NC

Client Sample ID: 608 WWT FB

Date Collected: 01/04/12 08:30
 Date Received: 01/05/12 09:00

Lab Sample ID: 240-7416-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			29291	01/05/12 15:00	CJ	TAL NC
Total/NA	Analysis	1631E		1	29359	01/06/12 13:33	CJ	TAL NC

Client Sample ID: 608 WWT

Date Collected: 01/04/12 08:35
 Date Received: 01/05/12 09:00

Lab Sample ID: 240-7416-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			29291	01/05/12 15:00	CJ	TAL NC
Total/NA	Analysis	1631E		20	29359	01/06/12 10:32	CJ	TAL NC

Client Sample ID: 608 WWT DUP

Date Collected: 01/04/12 08:40
 Date Received: 01/05/12 09:00

Lab Sample ID: 240-7416-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			29291	01/05/12 15:00	CJ	TAL NC
Total/NA	Analysis	1631E		20	29359	01/06/12 10:41	CJ	TAL NC

Client Sample ID: 608 WWT DISS

Date Collected: 01/04/12 08:45
 Date Received: 01/05/12 09:00

Lab Sample ID: 240-7416-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	1631E			29291	01/05/12 15:00	CJ	TAL NC
Dissolved	Analysis	1631E		1	29359	01/06/12 11:15	CJ	TAL NC

Client Sample ID: OUTFALL 002 FB

Date Collected: 01/04/12 09:05
 Date Received: 01/05/12 09:00

Lab Sample ID: 240-7416-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			29291	01/05/12 15:00	CJ	TAL NC
Total/NA	Analysis	1631E		1	29359	01/06/12 11:24	CJ	TAL NC

Lab Chronicle

Client: Duke Energy Corporation
Project/Site: Miami Fort LLHg 2012 - J12010105

TestAmerica Job ID: 240-7416-1

Client Sample ID: OUTFALL 002

Date Collected: 01/04/12 09:10
Date Received: 01/05/12 09:00

Lab Sample ID: 240-7416-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			29291	01/05/12 15:00	CJ	TAL NC
Total/NA	Analysis	1631E		1	29359	01/06/12 12:07	CJ	TAL NC

Client Sample ID: OUTFALL 002 DUP

Date Collected: 01/04/12 09:15
Date Received: 01/05/12 09:00

Lab Sample ID: 240-7416-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			29291	01/05/12 15:00	CJ	TAL NC
Total/NA	Analysis	1631E		1	29359	01/06/12 11:41	CJ	TAL NC

Client Sample ID: TRIP BLANK

Date Collected: 01/04/12 00:00
Date Received: 01/05/12 09:00

Lab Sample ID: 240-7416-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			29291	01/05/12 15:00	CJ	TAL NC
Total/NA	Analysis	1631E		1	29359	01/06/12 13:42	CJ	TAL NC

Laboratory References:

TAL NC = TestAmerica North Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: Duke Energy Corporation

Project/Site: Miami Fort LLHg 2012 - J12010105

TestAmerica Job ID: 240-7416-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica North Canton	ACCLASS	DoD ELAP		ADE-1437
TestAmerica North Canton	California	NELAC	9	01144CA
TestAmerica North Canton	Connecticut	State Program	1	PH-0590
TestAmerica North Canton	Florida	NELAC	4	E87225
TestAmerica North Canton	Georgia	Georgia EPD	4	N/A
TestAmerica North Canton	Illinois	NELAC	5	200004
TestAmerica North Canton	Kansas	NELAC	7	E-10336
TestAmerica North Canton	Kentucky	State Program	4	58
TestAmerica North Canton	Minnesota	NELAC	5	039-999-348
TestAmerica North Canton	Nevada	State Program	9	OH-000482008A
TestAmerica North Canton	New Jersey	NELAC	2	OH001
TestAmerica North Canton	New York	NELAC	2	10975
TestAmerica North Canton	Ohio	OVAP	5	CL0024
TestAmerica North Canton	Pennsylvania	NELAC	3	68-00340
TestAmerica North Canton	USDA	USDA		P330-11-00328
TestAmerica North Canton	Virginia	NELAC Secondary AB	3	460175
TestAmerica North Canton	Washington	State Program	10	C971
TestAmerica North Canton	West Virginia	West Virginia DEP	3	210
TestAmerica North Canton	Wisconsin	State Program	5	999518190

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Chain of Custody Record

TestAmerica Laboratory location:

 DW NPDES RCRA Other

Client Contact	Client Project Manager: M. Wagner (MS)	Site Contact: T. Thomas	Lab Contact:	TestAmerica Laboratories, Inc.
Company Name: DUKE ENERGY	Telephone: (513) 651-3440	Telephone: (513) 467-4950	Telephone:	COC No: 030972
Address: MIAMI FOREST STATION	Final: 513) 467 4900	Method of Shipment/Carrier: MIAMI FOREST LLC	Analyses	<input type="checkbox"/> Walk-in Client <input type="checkbox"/> Lab pickup <input type="checkbox"/> Lab sampling Job/SDG No:
City/State/Zip: OHIO 45410	Project Name: MIAMI FOREST LLC	Shipping/Tracking No: 14949813	Analysis Turnaround Time (in BUS days)	<input checked="" type="checkbox"/> 3 weeks <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day
Phone: (513) 467 4900	PO#	Sample Identification	Containers & Preservatives	Sample Specific Notes / Special Instructions: <i>POTENTIALLY ELEVATED HQ</i>
		Sample Date	Time	
601 (7) WWT Sediment	1-3-12	1650	x	4 N G x
601 (7) WWT TOT		1655	x	1
601 (7) WWT Tot Dsp		1700	y	x
R1 EB		1715	y	2
R1		1720	x	x
601 (8) WWT		1705	x	4
601 (8) WWT Tot		1710	x	x
608 WWT FB	1-4-12	0830	x	2
608 WWT		0835	x	4
608 WWT Dsp		0840	x	4
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown				
Special Instructions/QC Requirements & Comments: <i>✓ chance TA1</i>				
Relinquished by: <i>J. Thomas</i>	Company: WS Corp	Date/Time: 1-4-12 / 1125	Received by: Test America	Company: Test America
Relinquished by: <i>J. Thomas</i>	Company: Test America	Date/Time: 1-4-12 / 1255	Received in Laboratory by: ✓ chance	Company: Test America
Relinquished by: <i>J. Thomas</i>	Company: Test America	Date/Time: 1-5-12 900	Company: Test America	Company: Test America

TestAmerica Cooler Receipt Form/Narrative

North Canton Facility

Lot Number: 74116

Client Duke Energy
Cooler Received on 1-5-12Project _____
Opened on 1-5-12By: L. Vance
(Signature)

FedEx UPS DHL FAS Stetson Client Drop Off TestAmerica Courier Other

TestAmerica Cooler # 1333 Multiple Coolers Foam Box Client Cooler Other

1. Were custody seals on the outside of the cooler(s)? Yes No Intact? Yes No NA

If YES, Quantity _____ Quantity Unsalvageable _____

Were custody seals on the outside of cooler(s) signed and dated? Yes No NA

Were custody seals on the bottle(s)? Yes No NA

If YES, are there any exceptions?

2. Shippers' packing slip attached to the cooler(s)? Yes No

Relinquished by client? Yes No

3. Did custody papers accompany the sample(s)? Yes No

Yes No

4. Were the custody papers signed in the appropriate place? Yes No

5. Packing material used: Bubble Wrap Foam None Other

6. Cooler temperature upon receipt 11.0 °C See back of form for multiple coolers/tempMETHOD: CIR Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

7. Did all bottles arrive in good condition (Unbroken)? Yes No

8. Could all bottle labels be reconciled with the COC? Yes No

9. Were sample(s) at the correct pH upon receipt? Yes No NA

10. Were correct bottle(s) used for the test(s) indicated? Yes No

11. Were air bubbles >6 mm in any VOA vials? Yes No

12. Sufficient quantity received to perform indicated analyses? Yes No

13. Was a trip blank present in the cooler(s)? Yes No Were VOAs on the COC? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other
Concerning

14. CHAIN OF CUSTODY

The following discrepancies occurred:

High temp LLHG

15. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.

Sample(s) were received in a broken container.

Sample(s) were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) were further preserved in Sample

Receiving to meet recommended pH level(s). Nitric Acid Lot# 110410-HNO₃; Sulfuric Acid Lot# 041911-H₂SO₄; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)?

Client ID	pH	Date	Initials
101071707	2	1-5-12	dv
101 DNP	2		
101181 to 1	2	d	d

**TestAmerica Cooler Receipt Form/Narrative
North Canton Facility**

Discrepancies Cont'd:

Login Sample Receipt Checklist

Client: Duke Energy Corporation

Job Number: 240-7416-1

Login Number: 7416

List Source: TestAmerica North Canton

List Number: 1

Creator: Sutek, Nick

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	11.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	